



Curriculum Vitae Department of Agricultural Engineering Universitas Brawijaya

Name	<i>Inggit Kresna Maharsih, S.T., M.Sc.</i>
Position	<i>Teaching area: Colloid, Surface and Interface Science, Lecturer in Bachelor of Bioprocess Engineering Study Programme</i>
Academic career	<p>Initial academic appointment <i>Chemical Engineering Study Programme, Institut Teknologi</i> 2018</p> <p>Master degree <i>Mechanical Engineering, Universiti Teknologi PETRONAS, Malaysia</i> 2017</p> <p>Undergraduate degree <i>Engineering Physics, Institut Teknologi Sepuluh Nopember, Indonesia</i> 2015</p>
Employment	<p>Lecturer <i>Agricultural Engineering Department, Universitas Brawijaya, Indonesia</i> 2021- now</p> <p>Lecturer <i>Chemical Engineering Department, Institut Teknologi Kalimantan, Indonesia</i> 2018- 2021</p>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>Capillary interactions between droplets and ideal roughness: attractive protrusion and repulsive trench, 2016.</i> - <i>Synthesis of WO₃/TiO₂ photocatalyst as an alternative for organic pollutant handling in Limbah Industri Tekstil Batu Ampar, Balikpapan, 2019, 15.6M IDR.</i> - <i>Effect of edible coating on the shelf-life of pineapple (Ananas comosus L.), 2020, 15M IDR.</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> - <i>Utilization of shrimp shell waste for mud crab feed, Chemical Engineering Department, Institut Teknologi Kalimantan – Pertamina Hulu Mahakam</i>
Patents and proprietary rights	-
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. 5 publications:</i></p> <ul style="list-style-type: none"> - <i>R Wahyuono, L Ernawati, IK Maharsih, N Widiastuti, H Widiyandari. 2019. Mesoporous WO₃/TiO₂ nanocomposites photocatalyst for rapid degradation of methylene blue in aqueous medium. International Journal of Engineering 32 (10), 1345-1352 (Materials and Energy Research Center, SCI impact factor: 0.765).</i> - <i>YE Liang, IK Maharsih, YJ Sheng, HK Tsao. 2019. Capillary interactions between droplets and ideal roughness: attractive protrusion and repulsive trench. Experimental Thermal and Fluid Science 105, 216-222 (Elsevier, SCI impact factor: 3.444).</i>
Activities in specialist bodies over the last 5 years	-